



## EAX-H81P

Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors With Intel® H81 Chipset

- > Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors (Max. TDP at 95W)
- > Intel® H81 Chipset
- > 2x 240-pin DDR3 1333/1600MHz DIMM socket, supports up to 16GB Max
- > VGA, HDMI, DP++
- > 2 x SATA III, 2 x SATA II
- > 1 x PCI-e x16
- > 1 x PCI-e x2 (Using PCI-e x4 slot broken hole type), 1 x PCI-e x1 (Using PCI-e x4 slot broken hole type)
- > 4 x PCI
- > 4 x USB 2.0 by pin header by HUB
- > 4 x USB 2.0 at I/O, 1 x USB 2.0 Type A connector.

**Spec**

System	
<b>Processor</b>	Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors (Max. TDP at 95W)
<b>System Chipset</b>	Intel® H81 Chipset
<b>System Memory</b>	2x 240-pin DDR3 1333/1600MHz DIMM socket, supports up to 8GB Max
<b>I/O Chip</b>	Nuvoton® NCT6106D
<b>BIOS</b>	AMI uEFI BIOS, 64Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
<b>H/W Status Monitor</b>	CPU temperature monitoring, Voltages monitoring, CPU fan speed control
<b>TPM</b>	Optional Onboard Infineon SLB9635TT1.2 support TPM 1.2
<b>Board</b>	ATX Board
Expansion	
<b>Expansion</b>	4 x PCI 1 x PCI-e x16 1 x PCI-e x2 (Using PCI-e x4 slot broken hole type) 1 x PCI-e x1 (Using PCI-e x4 slot broken hole type)
Storage	
<b>Storage</b>	2 x SATA III 2 x SATA II
I/O	
<b>USB</b>	6 x USB 2.0 by pin header 4 x USB 2.0 at I/O, 1 x USB 2.0 Type A connector 2 x USB 3.0 at I/O
<b>SATA</b>	2 x SATA III 2 x SATA II
<b>COM Port</b>	10 x RS232 (2 x RS-422/485)
<b>DIO</b>	1 x 16-bit GPIO
<b>MIO</b>	1 x PS/2 Keyboard or PS/2 Mouse with Dual deck USB 2.0
Display	
<b>Chipset</b>	Intel® H81 Express chipset
<b>Resolution</b>	VGA: 2048 x 1536 @ 60 Hz HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 30 Hz (Note: This resolution is actual test result. Intel resolution: 4096x2304 @ 24 Hz, 2560x1600 @ 60 Hz) DP: 3840x2160 @ 60Hz
<b>Multiple Display</b>	Dual Display
Audio	
<b>Chipset</b>	Realtek ALC892
<b>Audio Interface</b>	Line-in, Mic-in, Line-out
<b>Audio Amplifier</b>	1 x 3W Amplifier
Ethernet	
<b>Chipset</b>	2 x Intel® I211AT PCI-e Gigabit Ethernet
<b>LAN Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Power Requirement</b>	+12V / +5V / 5VSB /+3.3V / -12V
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5
<b>Power Type</b>	AT/ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Storage Temperature</b>	-40 ~ 75°C
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing



<b>Dimension (L x W)</b>	12" x 9.6" (304.8mm x 243.84mm)
<b>Weight</b>	1.32lbs (0.6 kg)

**+ Ordering**

EAX-H81P-A1R  
Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors  
With Intel® H81 Chipset

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660